

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
24 June 2004 (24.06.2004)

PCT

(10) International Publication Number
WO 2004/053524 A3

(51) International Patent Classification⁷: G08B 13/26

(21) International Application Number:
PCT/US2003/039235

(22) International Filing Date:
10 December 2003 (10.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/432,150 10 December 2002 (10.12.2002) US

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

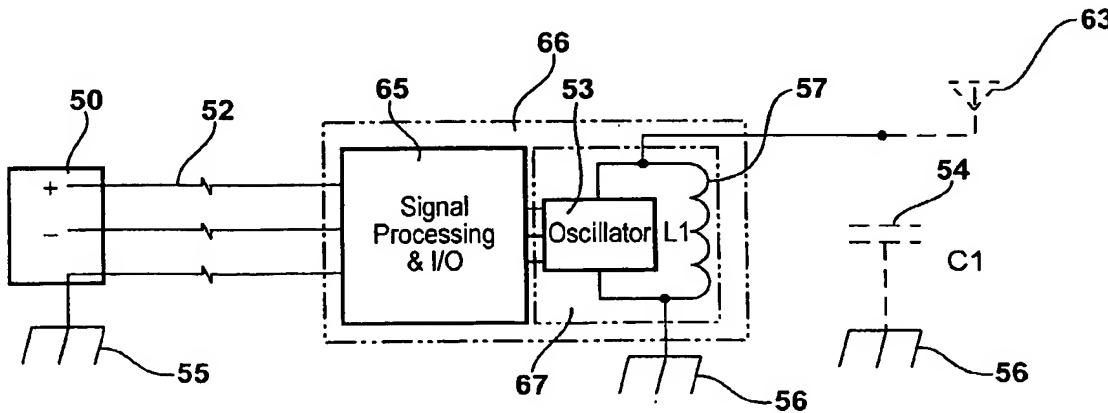
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
5 August 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF STEERING CAPACITOR FIELDS FOR USE IN CAPACITIVE SENSING SECURITY SYSTEMS



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(57) Abstract: The present invention provides a capacitive sensing apparatus (10) having utility in object detection security applications whereby the object detection field (160) generated by the apparatus is made steerable. The apparatus includes a power source (76) having a ground connection (77) in communication with at least one sensing circuit (82) operative to detect an object (84) moving within the sensing field. At least one conductive element (75) is provided in communication with electrical ground. To steer the direction of the sensing field, the relative position and distance between the conductive element and the sensing circuit is adjusted such that a desired sensing field pattern is obtained.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/39235

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G08B 13/26
US CL : 340/562, 540, 541, 545.1; 324/76.52, 76.53, 686

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 340/562, 540, 541, 545.1; 324/76.52, 76.53, 686

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y,E	US 6,731,209 B2 (WADLOW et al.) 04 MAY 2004 (04.05.2004), see entire document.	1-17
Y	US 5,442,347 A (VRANISH) 15 AUGUST 1995 (15.08.1995), see entire document.	1-17
Y	US 5,952,835 A (COVELEY) 14 SEPTEMBER 1999 (14.09.1999), see entire document.	1-17

Further documents are listed in the continuation of Box C.

See patent family annex.

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"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

01 June 2004 (01.06.2004)

Date of mailing of the international search report

18 JUN 2004

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